

## CLAIMS

What is claimed is:

5

1. A method for providing transaction processing in a palmtop computer, comprising:

providing a file server;

providing a personal information database, residing on the file server,

10 containing personal information data relating to a user of the palmtop computer;

providing a site map database, residing on the file server, the site map database containing data which maps fields of the personal information database to frames of known Web clippings;

15 receiving a request from a palmtop computer to populate frames of a selected Web clipping;

retrieving personal information data from the personal information database for fields mapped to the frame in the selected Web clipping in the site map database; and

transmitting the retrieved personal information to the palmtop computer.

20

2. The method of claim 1, further comprising populating the frames of the selected Web clipping in the palmtop computer.

3. The method of claim 2, further comprising transmitting the populated frame from the palmtop computer to a Web site.

4. The method of claim 1, wherein providing the site map includes scraping a  
5 Web site to harvest frames to be populated.

5. The method of claim 1, wherein the personal information database is manually populated with data by the user.

10 6. The method of claim 1, wherein the server comprises a secure server.

7. The method of claim 1, wherein the Web clipping correlates to a Web page on the World Wide Web.

15 8. The method of claim 1, further comprising mapping the palmtop computer to a user in the personal information database.

9. The method of claim 1, wherein the receiving and transmitting are carried out over a wireless data communication network.

20

10. A method for providing simplified transaction processing in a palmtop computer, comprising:

- 5 sending a request from the palmtop computer to a file server to obtain information to populate a plurality of frames of a selected Web clipping;
- receiving a transmission from the file server containing personal information data extracted from a personal information database, the personal information database residing on the file server, and containing personal information data relating to a user of the palmtop computer;
- 10 wherein, the personal information being retrieved from fields in the personal information database which have been mapped to frames in the selected Web clipping in the site map database.

11. The method of claim 10, further comprising transmitting the retrieved  
15 personal information to the palmtop computer.

12. The method of claim 11, further comprising populating the frames of the selected Web clipping in the palmtop computer.

20 13. The method of claim 12, further comprising transmitting the populated frames of the selected Web clipping to a Web site for transaction processing.

007EE0" 82EFH560

A1

14. The method of claim 13, wherein the populated frames of the selected Web clipping are transferred to the Web site through a data center which translates between Web clippings and Web pages.

5 15. The method of claim 10, wherein the sending and receiving are carried out over a wireless data communication network.

16. A palmtop computer, comprising:

10 a radio frequency transmitter for sending a request from the palmtop computer to a file server to obtain information to populate a plurality of frames of a selected Web clipping;

15 a radio receiver for receiving a transmission from the file server containing personal information data extracted from a personal information database, the personal information database residing on the file server, and containing personal information data relating to a user of the palmtop computer; and

a processor which populates the frames of the selected Web clipping with the personal information data received.

17. The palmtop computer of claim 16, wherein the request comprises a label  
20 for a Web clipping containing the frames to be populated.

18. The palmtop computer of claim 16, wherein the file server comprises a secure file server.

19. The palmtop computer of claim 16, further comprising means for transmitting the populated Web clipping to a Web site.

- 5 20. The palmtop computer of claim 19, wherein the populated Web clipping is conveyed to the Web site through a data center containing the secure file server.

09541378-033100